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OM protein - protein search, using sw model

Run on: June 18, 2003, 17:14:36 ; Search time 78.5143 Seconds
(Without alignments)
504,414 Million cell updates/sec

Title: US-09-807-933b-3
Perfect score: 2020
Sequence: 1 MKRITITSSALLALALGTEM.....TYKEVCPKEITAKTGSRK 366

Scoring table: BLOSUM62
Gapop 10.0 , Gapept 0.5

Searched: 417779 seqs, 108206813 residues
Total number of hits satisfying chosen parameters: 417779

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database:

Published Applications AA:*
1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB pep:*
2: /cgn2_6/ptodata/2/pubpaa/PCR_NEW_PUB pep:*
3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB pep:*
4: /cgn2_6/ptodata/2/pubpaa/US07_PUB pep:*
5: /cgn2_6/ptodata/2/pubpaa/US07_PUB pep:*
6: /cgn2_6/ptodata/2/pubpaa/US07_PUB pep:*
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8: /cgn2_6/ptodata/2/pubpaa/US08_PUB pep:*
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13: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB pep:*
14: /cgn2_6/ptodata/2/pubpaa/US60_PUB pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	757.5	37.5	229	US-10-007-521-12	Sequence 12, Appl
2	753.5	37.3	225	US-10-007-521-2	Sequence 2, Appl
3	753.5	37.3	297	US-10-007-521-4	Sequence 4, Appl
4	753.5	37.3	308	US-10-007-521-6	Sequence 6, Appl
5	748.5	37.1	205	US-09-261-329-7	Sequence 7, Appl
6	742.5	36.8	201	US-09-261-329-5	Sequence 5, Appl
7	741.5	36.7	201	US-09-261-329-4	Sequence 4, Appl
8	722.5	35.8	203	US-09-261-329-9	Sequence 9, Appl
9	722.5	35.8	222	US-10-007-521-14	Sequence 14, Appl
10	722.5	35.8	294	US-10-007-521-24	Sequence 24, Appl
11	715	35.4	349	US-10-007-521-10	Sequence 10, Appl
12	706	35.0	310	US-10-007-521-22	Sequence 22, Appl
13	698	34.6	202	US-09-261-329-3	Sequence 3, Appl
14	690.5	34.2	235	US-08-841-636A-31	Sequence 31, Appl
15	683.5	33.8	376	US-09-735-787-4	Sequence 4, Appl
16	675.5	33.4	203	US-09-261-329-6	Sequence 6, Appl
17	675	33.4	305	US-09-735-787-2	Sequence 2, Appl
18	674	33.4	202	US-09-261-329-1	Sequence 1, Appl
19	665.5	32.9	226	US-10-007-521-16	Sequence 16, Appl

20	665.5	32.9	293	US-10-007-521-20	Sequence 20, Appl
21	665.5	32.9	298	US-10-007-521-18	Sequence 18, Appl
22	662	32.8	295	US-10-007-521-8	Sequence 8, Appl
23	660.5	32.7	203	US-09-261-329-8	Sequence 8, Appl
24	654	32.4	202	US-09-261-329-2	Sequence 2, Appl
25	506.5	25.1	211	US-09-261-329-11	Sequence 11, Appl
26	492.5	24.4	235	US-09-261-329-10	Sequence 10, Appl
27	440.5	21.8	138	US-10-007-521-26	Sequence 26, Appl
28	220.5	10.9	75	US-10-007-521-32	Sequence 32, Appl
29	216.5	10.7	493	US-10-197-294A-2	Sequence 2, Appl
30	190.5	9.4	57	US-10-007-521-52	Sequence 52, Appl
31	186.5	9.2	59	US-10-007-521-34	Sequence 34, Appl
32	180.5	8.9	60	US-10-007-521-42	Sequence 42, Appl
33	175.5	8.7	60	US-10-007-521-70	Sequence 70, Appl
34	174	8.6	39	US-09-916-494A-4	Sequence 4, Appl
35	173.5	8.6	3732	US-10-123-155-71	Sequence 71, Appl
36	172.5	8.5	1591	US-10-073-912-13	Sequence 13, Appl
37	172	8.5	773	US-10-184-634-429	Sequence 429, App
38	172	8.5	773	US-10-184-634-429	Sequence 429, App
39	171	8.5	1422	US-09-735-933-1	Sequence 1, Appl
40	171	8.5	2403	US-10-184-644-45	Sequence 45, Appl
41	171	8.5	2403	US-10-184-634-45	Sequence 45, Appl
42	169	8.4	4372	US-10-123-155-53	Sequence 53, Appl
43	168	8.3	18636	US-10-073-912-17	Sequence 17, Appl
44	167.5	8.3	2207	US-10-123-155-137	Sequence 137, App
45	166.5	8.2	1730	US-10-123-155-7	Sequence 7, Appl

ALIGNMENTS

RESULT 1
US-10-007-521-12
Sequence 12, Application US/10007521
Publication No. US20030054539A1
GENERAL INFORMATION:
APPLICANT: Schultein, Martin
Andersen, Lene N.
laessen, Soren F.
Kauppinen, Markus S.
Lange, Lene
Nielsen, Ruby I.
Ihara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. US20030054539A1 Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESSES:
ADDRESSEE: NO. US20030054539A10 No. US20030054539A1disk of No. US20030054539A1
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366, 200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 12:

SEQUENCE CHARACTERISTICS:
LENGTH: 299 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 12:
US-10-007-521-12

Query Match 37.5%; Score 757.5; DB 9; Length 299;
Best Local Similarity 62.3%; Pred. No. 4.8e-44;
Matches 134; Conservative 32; Mismatches 40; Indels 9; Gaps 4;

QY 152 IVSGASGNGVTRYWDCCASGWPGRKAVSSPVKSCNKDGYTALSDSNVQGCNGNS 211
DB 17 LVASASGSGSTRYWPCCKPSCAMPKAAVSOQVYACDAN-FQRLSDFNVOGSGNGSA 75
QY 212 YMCNDNPMVNDLAVGFAAAISGGSESRWCCSCPELFTSTSVAGKKMVIQVNTTGG 271
DB 76 YSCADQTPWAVNDLAVGFAATSTAGSSESWCCACTALFTTSGPVAGKTMVQSTSTGG 135
QY 272 DLGSGTAHFDLQWPGGSGVGFNGCSKQWGA-PNDGWSRYGGISASDCSLPSALQAG 330
DB 136 DLGSGN---QPDINAFGGGVGIFNGCSSQFGSLP---GAQYGGISSRDQCDSPFAPLPG 188
QY 331 CKMRPNMFKNADNPSMTYKEYTCPEKITAKTGCSR 365
DB 189 COMRFDMFQNDNPTFTFQVQCPAEIVARSGCSR 223

RESULT 2
US-10-007-521-2

; Sequence 2, Application US/10007521
; Publication No. US20030054539A1

GENERAL INFORMATION:

APPLICANT: Schuelein, Martin

Andersen, Lene N.

Laessen, Soren F.

Kauppinen, Markus S.

Lange, Lene

Nielsen, Ruby I.

Ihara, Michiko

Takagi, Shinobu

TITLE OF INVENTION: No. US20030054539A1el Endoglucanases

NUMBER OF SEQUENCES: 109

CORRESPONDENCE ADDRESS:

ADDRESSER: No. US20030054539A1o No. US20030054539A1disk of No. US200300545

STREET: 405 Lexington Avenue, 64th Floor

CITY: New York

STATE: New York

COUNTRY: United States of America

ZIP: 10174-6401

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Releasee #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/007,521

FILING DATE: 10-Dec-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/651,136

FILING DATE: 21-MAY-1996

ATTORNEY/AGENT INFORMATION:

NAME: Lambiris, Elias J.

REGISTRATION NUMBER: 33,728

REFERENCE/DOCKET NUMBER: 4366,200-US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-867-0123

TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 225 amino acids

TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-007-521-2

Query Match 37.3%; Score 753.5; DB 9; Length 225;
Best Local Similarity 60.8%; Pred. No. 6.6e-44;
Matches 127; Conservative 36; Mismatches 41; Indels 5; Gaps 3;

QY 158 SGNGVTRYWDCCASGWPGRKAVSSPVKSCNKDGYTALSDSNVQGCN-GNSYMNND 216
DB 21 SGIGQTRYWDCCCKPSCAMPK-GPSSPVQAQCDKNDNLNDGSTRSCDAGSAYMCS 79
QY 217 NOPAVNDLAVGFAAAISGGSESRWCCSCPELFTSTSVAGKKMVIQVNTTGGDLSS 276
DB 80 QSPWAVSELSYGMALVLAGSSESQWCACCELTFTSGPVAGKMTYQATNTGDLQDN 139
QY 277 TGAHFDLQWPGGSGVGFNGCSKQWGA-PNDGWSRYGGISASDCSLPSALQAGCKMRFN 336
DB 140 ---HFDLAFGGGVGIFNACTDQYGAIPNGMDRYGIIHSKEGCSPEALKPGCMRFD 196
QY 337 WFNADNPSMTYKEYTCPEKITAKTGCSR 365
DB 197 WFNADNPSMTYKEYTCPEKITAKTGCSR 225

RESULT 3
US-10-007-521-4

; Sequence 4, Application US/10007521
; Publication No. US20030054539A1

GENERAL INFORMATION:

APPLICANT: Schuelein, Martin

Andersen, Lene N.

Laessen, Soren F.

Kauppinen, Markus S.

Lange, Lene

Nielsen, Ruby I.

Ihara, Michiko

Takagi, Shinobu

TITLE OF INVENTION: No. US20030054539A1el Endoglucanases

NUMBER OF SEQUENCES: 109

CORRESPONDENCE ADDRESS:

ADDRESSER: No. US20030054539A1o No. US20030054539A1disk of No. US200300545

STREET: 405 Lexington Avenue, 64th Floor

CITY: New York

STATE: New York

COUNTRY: United States of America

ZIP: 10174-6401

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Releasee #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/007,521

FILING DATE: 10-Dec-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/651,136

FILING DATE: 21-MAY-1996

ATTORNEY/AGENT INFORMATION:

NAME: Lambiris, Elias J.

REGISTRATION NUMBER: 33,728

REFERENCE/DOCKET NUMBER: 4366,200-US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-867-0123

TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 297 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-007-521-4

Query Match 37.3%; Score 753.5; DB 9; Length 297;
Best Local Similarity 60.8%; Pred. No. 8.9e-44;
Matches 127; Conservative 36; Mismatches 41; Indels 5; Gaps 3;

QY 158 SGNVTRTWDCKKASCSMPKGNVSSPVKSCNKGVTALSDSNVQSGN-GENSYMCDND 216
DB 21 SGIGGTRTWDCKKASCSMPKGN-GRSSPVQACDKNDNPLNDGSTRSGCDAGSAYMCS 79
QY 217 NOPMAYNDNLAVGFAAAAIISGGESRWCCSCFELTFTSTVAGKXVIQVNTGDLGSS 276
DB 80 GPMVAVSDELSTGYMAAVKLAGESSQWCCACVLELTFTSGPVAGKXVIQVNTGDLGDN 139
QY 277 TGAHFDLQMPGGGVGIFNCCSKQMGAPNDGMSRYGSISSASDCSLPSALQAGCKWRPN 336
DB 140 ---HFDLAI PGGGVGIFNACTDQYGAPPMGMDRYGSIHSKECEFPALAKGCMWRPD 196
QY 337 WPKNADNPMTYKEVTCPEKITAKTGCSR 365
DB 197 WPKNADNPMTYKEVTCPEKITAKTGCSR 225

RESULT 4
US-10-007-521-6

Sequence 6, Application US/10007521
Publication No. US20030054539A1
GENERAL INFORMATION:

APPLICANT: Schuelein, Martin

Andersen, Lene N.

Laessen, Soren F.

Kauppinen, Markus S.

Lange, Lene

Nielsen, Ruby I.

Thara, Michiko

Takagi, Shinobu

TITLE OF INVENTION: No. US20030054539A1e1 Endoglucanases

NUMBER OF SEQUENCES: 109

CORRESPONDENCE ADDRESS:

ADDRESSER: No. US20030054539A10 No. US20030054539A1disk of No. US200300545

STREET: 405 Lexington Avenue, 64th Floor

CITY: New York

STATE: New York

COUNTRY: United States of America

ZIP: 10174-6401

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/007,521

FILING DATE: 10-Dec-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/651,136

FILING DATE: 21-May-1996

ATTORNEY/AGENT INFORMATION:

NAME: Lambirth, Elias J.

REGISTRATION NUMBER: 33,728

REFERENCE/DOCKET NUMBER: 4366.200-US

TELEPHONE: 212-867-0123

TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 308 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 6:

US-10-007-521-6

Query Match 37.3%; Score 753.5; DB 9; Length 308;
Best Local Similarity 60.8%; Pred. No. 9.2e-44;
Matches 127; Conservative 36; Mismatches 41; Indels 5; Gaps 3;

QY 158 SGNVTRTWDCKKASCSMPKGNVSSPVKSCNKGVTALSDSNVQSGN-GENSYMCDND 216
DB 21 SGIGGTRTWDCKKASCSMPKGN-GRSSPVQACDKNDNPLNDGSTRSGCDAGSAYMCS 79
QY 217 NOPMAYNDNLAVGFAAAAIISGGESRWCCSCFELTFTSTVAGKXVIQVNTGDLGSS 276
DB 80 GPMVAVSDELSTGYMAAVKLAGESSQWCCACVLELTFTSGPVAGKXVIQVNTGDLGDN 139
QY 277 TGAHFDLQMPGGGVGIFNCCSKQMGAPNDGMSRYGSISSASDCSLPSALQAGCKWRPN 336
DB 140 ---HFDLAI PGGGVGIFNACTDQYGAPPMGMDRYGSIHSKECEFPALAKGCMWRPD 196
QY 337 WPKNADNPMTYKEVTCPEKITAKTGCSR 365
DB 197 WPKNADNPMTYKEVTCPEKITAKTGCSR 225

RESULT 5
US-09-261-329-7

Sequence 7, Application US/09261329
Publication No. US20030092097A1
GENERAL INFORMATION:

APPLICANT: Andersen, Kim

APPLICANT: Schuelein, Martin

APPLICANT: Christiansen, Lars

APPLICANT: Damgaard, Bo

APPLICANT: von der Osten, Claus

TITLE OF INVENTION: Cellulase Variants

FILE REFERENCE: 4887.204-US

CURRENT APPLICATION NUMBER: US/09/261,329

CURRENT FILING DATE: 1999-03-03

EARLIER APPLICATION NUMBER: 1013/96

EARLIER FILING DATE: 1996-09-17

NUMBER OF SEQ ID NOS: 26

SOFTWARE: FaetsEQ for Windows Version 3.0

SEQ ID NO 7

LENGTH: 205

TYPE: PRT

ORGANISM: Cellulase variants

US-09-261-329-7

Query Match 37.1%; Score 748.5; DB 9; Length 205;
Best Local Similarity 60.6%; Pred. No. 1.3e-43;
Matches 126; Conservative 36; Mismatches 41; Indels 5; Gaps 3;

QY 159 SGNVTRTWDCKKASCSMPKGNVSSPVKSCNKGVTALSDSNVQSGN-GENSYMCDND 217
DB 1 SGIGGTRTWDCKKASCSMPKGN-GRSSPVQACDKNDNPLNDGSTRSGCDAGSAYMCSQ 59
QY 218 GPMVAVSDELSTGYMAAVKLAGESSQWCCACVLELTFTSGPVAGKXVIQVNTGDLGSS 277
DB 60 SPMVAVSDELSTGYMAAVKLAGESSQWCCACVLELTFTSGPVAGKXVIQVNTGDLGDN- 118
QY 278 GAHFDLQMPGGGVGIFNCCSKQMGAPNDGMSRYGSISSASDCSLPSALQAGCKWRPN 337
DB 119 --HFDLAI PGGGVGIFNACTDQYGAPPMGMDRYGSIHSKECEFPALAKGCMWRPD 176
QY 338 FPKNADNPMTYKEVTCPEKITAKTGCSR 365
DB 177 FPKNADNPMTYKEVTCPEKITAKTGCSR 204

RESULT 6
US-09-261-329-5

Sequence 5, Application US/09261329
Publication No. US20030092097A1
GENERAL INFORMATION:

```

? APPLICANT: Andersen, Kim
? APPLICANT: Schuelein, Martin
? APPLICANT: Christiansen, Lars
? APPLICANT: Damgaard, Bo
? APPLICANT: Von Der Oerlen, Claus
? TITLE OF INVENTION: Cellulase Variants
? FILE REFERENCE: 4887.204-US
? CURRENT APPLICATION NUMBER: US/09/261,329
? CURRENT FILING DATE: 1999-03-03
? EARLIER APPLICATION NUMBER: 1013/96
? EARLIER FILING DATE: 1996-09-17
? NUMBER OF SEQ ID NOS: 26
? SOFTWARE: FastSeq for Windows Version 3.0
? SEQ ID NO 5
? LENGTH: 201
? TYPE: prt
? ORGANISM: Cellulase variants
? US-09-261-329-5

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Db          60  PAAVADNLAAYFPALTKLSSGTSSWCCACALFTISGPVSGKTLVVGSTSGDLGSR-- 117
Qy          279  AHFDLQMGGVGVI FNGCSKQWGA - PNDGWSRIGGISASDCCSLPSALQAGCKKRENM 337
              118  -HFDLNMGGGVGFDDGCKRFFGLP---GAQYGISRSRSECDSPPALKPGCOMPRDM 172

Qy          338  FKQADNPSMTKYEVTCPEKIRFARTGCSR.365
Db          173  FKQADNPEFTKQYQCPSELISRTGCR 200

RESULT 8
US-09-261-329-9
; Sequence 9, Applcation US/09261329
; Publication No. US20030092097A1
GENERAL INFORMATION:
; APPLICANT: Andersen, Kim
; APPLICANT: Schultein, Martin
; APPLICANT: Christiansen, Lars
; APPLICANT: Damgaard, Bo
; APPLICANT: Von Der Osten, Claus
; TITLE OF INVENTION: Cellulase Variants
; FILE REFERENCE: 4887.204-US
; CURRENT APPLICATION NUMBER: US/09/261,329
; CURRENT FILING DATE: 1999-03-03
; EARLIER APPLICATION NUMBER: 1013/96
; EARLIER FILING DATE: 1996-09-17
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 9
; LENGTH: 203
; TYPE: PRT
; ORGANISM: Cellulase variants
US-09-261-329-9

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ADDRESSEE: No. US20030054539A10 No. US20030054539A1disk of No. US20030054539A1
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366.200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 222 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-10-007-521-14

Query Match 35.8%; Score 722.5; DB 9; Length 222;
Best Local Similarity 59.4%; Pred. No. 8,2e-42;
Matches 123; Conservative 41; Mismatches 36; Indels 7; Gaps 4;
QY 160 NGVTTYWDCCKRSCGMPKAVNSPVKSCN-KDGVTLASDSNVGSCNGNSYMCNDNQ 218
DB 21 SGVTTYRWCCKRSCGMPKAVNSPVKSCN-KDGVTLASDSNVGSCNGNSYMCNDNQ 79
QY 219 PAAVNDNLAYGPAALAIISGGESRWCCSCFELTFTSTVAGKKMVIQVNTGGLDLSSTG 278
DB 80 PAAVNDNLAYGPAALAIISGGESRWCCSCFELTFTSTVAGKKMVIQVNTGGLDLSSTG 137
QY 279 AHFDLMPGGGVCIFNGCSKQWCAAPNDGWSRYGSISSASDSSLPALQAGCKWRPNMF 338
DB 138 -HFDIAMPGGGVCIFNGCSKQWCAAPNDGWSRYGSISSASDSSLPALQAGCKWRPNMF 194
QY 339 KNADNPSMTYKEVTCPEITAKTGCSR 365
DB 195 ENADNPTVMEPTVCPQELVARTGCSR 221

RESULT 10
US-10-007-521-24
Sequence 24, Application US/10007521
Publication No. US20030054539A1
GENERAL INFORMATION:
APPLICANT: Schulten, Martin
Andersen, Lene N.
Laassen, Soren F.
Kauppinen, Markus S.
Lange, Lene
Nielsen, Ruby I.
Ihara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. US20030054539A1el Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. US20030054539A10 No. US20030054539A1disk of No. US20030054539A1
STREET: 405 Lexington Avenue, 64th Floor

CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366.200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 294 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 24:
US-10-007-521-24

Query Match 35.8%; Score 722.5; DB 9; Length 294;
Best Local Similarity 59.4%; Pred. No. 1.1e-41;
Matches 123; Conservative 41; Mismatches 36; Indels 7; Gaps 4;
QY 160 NGVTTYWDCCKRSCGMPKAVNSPVKSCN-KDGVTLASDSNVGSCNGNSYMCNDNQ 218
DB 21 SGVTTYRWCCKRSCGMPKAVNSPVKSCN-KDGVTLASDSNVGSCNGNSYMCNDNQ 79
QY 219 PAAVNDNLAYGPAALAIISGGESRWCCSCFELTFTSTVAGKKMVIQVNTGGLDLSSTG 278
DB 80 PAAVNDNLAYGPAALAIISGGESRWCCSCFELTFTSTVAGKKMVIQVNTGGLDLSSTG 137
QY 279 AHFDLMPGGGVCIFNGCSKQWCAAPNDGWSRYGSISSASDSSLPALQAGCKWRPNMF 338
DB 138 -HFDIAMPGGGVCIFNGCSKQWCAAPNDGWSRYGSISSASDSSLPALQAGCKWRPNMF 194
QY 339 KNADNPSMTYKEVTCPEITAKTGCSR 365
DB 195 ENADNPTVMEPTVCPQELVARTGCSR 221

RESULT 11
US-10-007-521-10
Sequence 10, Application US/10007521
Publication No. US20030054539A1
GENERAL INFORMATION:
APPLICANT: Schulten, Martin
Andersen, Lene N.
Laassen, Soren F.
Kauppinen, Markus S.
Lange, Lene
Nielsen, Ruby I.
Ihara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. US20030054539A1el Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. US20030054539A10 No. US20030054539A1disk of No. US20030054539A1
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York

COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366,200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 349 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-10-007-521-10
Query Match 35.4%; Score 715; DB 9; Length 349;
Best Local Similarity 58.3%; Pred. No. 4,2e-41;
Matches 123; Conservative 36; Mismatches 42; Indels 10; Gaps 4;
QY 157 ASGNVTRRYMPCCKASCSWPGKANVSSPVKSNKDGVTALSDSNVSGCNGNSYMCND 216
DB 21 ASGKHTTRRYMPCCKTSCMBEGKASVSEVLTCKNQD-NPIVDNARSQCGGAFACFN 79
QY 217 NOPMAVNDNLAYGFAAAAIISGGESRWCSCFELTFTSTVAGKQWVQVNTTGGDLSS 276
DB 80 NSPMVASEDLAYGFAATATLSCGTESGWCACVAILFTSGPVAQKMWVQSTNTGDSNN 139
QY 277 TGAHPELOMPGGGVGIFNGCSKQWQ--APNDQWGSRYGSISSASDCSSLPALQAGCKMR 334
DB 140 ---HFDLMIPGGGLGIFDGCSPAQFGLP---GERYGVSSRSQCDQMPELKHGCCMR 192
QY 335 FNMFKADNPMTYKEVTCPEKITTAQTCGR 365
DB 193 FDMFKSDNPDIIEFQVQCPKELIAVSGCVR 223
RESULT 12
US-10-007-521-22
Sequence 22, Application US/10007521
Publication No. US20030054539A1
GENERAL INFORMATION:
APPLICANT: Schuelein, Martin
Andersen, Lene N.
Lassen, Soren F.
Kampinen, Markus S.
Lange, Lene
Nielsen, Ruby I.
Thara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. US20030054539A1 Endoglucaases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESSES:
ADDRESSEE: No. US20030054539A10 No. US20030054539A1disk of No. US200300545
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366,200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 310 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 22:
US-10-007-521-22
Query Match 35.0%; Score 706; DB 9; Length 310;
Best Local Similarity 58.9%; Pred. No. 1.5e-40;
Matches 126; Conservative 32; Mismatches 48; Indels 8; Gaps 5;
QY 153 VSGASGNVTRRYMPCCKASCSWPGKANVSSPVKSNKDGVTALSDSNVSGCNGNS 211
DB 14 VAQSSGTTRTRYMPCCKPCSCGMEKASVSPVATCQRNN-NPIA-STASGCDNSGVA 71
QY 212 YMCNDNPMAVNDNLAYGFAAAAIISGGESRWCSCFELTFTSTVAGKQWVQVNTTGG 271
DB 72 YTCNDNPMAVNDNLAYGFAATAFISGSEASWCACVIALQFTSGPVAGKTMVQSTNTGG 131
QY 272 DLSSTGAHPELOMPGGGVGIFNGCSKQWQAPNDQWGSRYGSISSASDCSSLPALQAGCK 331
DB 132 DL---SGNFDLIMPGGGLGIFDGCIPQWGVFP--GNRYGTTSRSCSQSLPALTQPC 186
QY 332 KRMFMFKADNPMTYKEVTCPEKITTAQTCGR 365
DB 187 NMYDMFNADNPDVSMRRVQCPALTDRTGCR 220
RESULT 13
US-09-261-329-3
Sequence 3, Application US/09261329
Publication No. US20030092097A1
GENERAL INFORMATION:
APPLICANT: Andersen, Kim
Schuelein, Martin
APPLICANT: Christiansen, Lars
APPLICANT: Damgaard, Bo
APPLICANT: Von Der Osten, Claus
TITLE OF INVENTION: Cellulase Variants
FILE REFERENCE: 4887,204-US
CURRENT FILING DATE: 1999-03-03
EARLIER APPLICATION NUMBER: 1013/96
EARLIER FILING DATE: 1996-09-17
NUMBER OF SEQ ID NOS: 26
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 3
LENGTH: 202
TYPE: PRT
ORGANISM: cellulase variants
US-09-261-329-3

Query Match 34.6%; Score 698; DB 9; Length 202;
Best Local Similarity 59.6%; Pred. No. 3.4e-40;
Matches 124; Conservative 30; Mismatches 46; Indels 8; Gaps 5;

QY 159 GNCVTRRYDCCAGSWSGKANVSSPYKSCNKGDTALSDSNVQGC-NGGNSYKCN 217
DB 1 GGRTRRYDCCPSGWMDEKASVSPVYTCDENN-NPLA-STARSGCDNSNGVAYICNN 58
QY 218 OPAVNDNLAYGFAAAAISSGGRSWMCCSFELTFTSTVAGKMYIQTNTGDLGSSST 277
DB 59 OPAVNDNLAYGFAAAAISSGGRSWMCCSFELTFTSTVAGKMYIQTNTGDLGSSST 115
QY 278 GAHFDLQMPGGGIVGNGSKOMGAPNDGWSRYSASDSSLPALQAGCKWRFNW 337
DB 116 GAHFDLQMPGGGIVGNGSKOMGAPNDGWSRYSASDSSLPALQAGCKWRFNW 173
QY 338 FKADNPSTMYKEVTCPEKITATGCSR 365
DB 174 FNDADNPDVSWRRVCCPALTDRTGCR 201

RESULT 14
US-08-841-636A-31
Sequence 31, Application US/08841636A
Patent No. US20020168751A1
GENERAL INFORMATION:
APPLICANT: Mettinen-Oinonen, Arja
APPLICANT: Londeeborough, John
APPLICANT: Venhaaner, Jari
APPLICANT: Haakana, Hei
APPLICANT: M ntyl, Arja
APPLICANT: Lantto, Raija
APPLICANT: Elvoinio, Minna
APPLICANT: Joutsinki, Vesa
APPLICANT: Palohelmo, Marja
APPLICANT: Suominen, Pirkko
TITLE OF INVENTION: NOVEL CELLULASES, THE GENES ENCODING THEM AND
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
STREET: 1100 New York Avenue, N.W., Suite 600
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/841,636A
FILING DATE: 30-APR-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/005,335
FILING DATE: 17-OCT-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/007,926
FILING DATE: 04-DEC-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/020,840
FILING DATE: 28-JUN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/732,181
FILING DATE: 16-OCT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/FI96/00550
FILING DATE: 17-OCT-1996
ATTORNEY/AGENT INFORMATION:
NAME: Timothy J. Shea, Jr.
REGISTRATION NUMBER: 41,306

REFERENCE/DOCKET NUMBER: 1716.0510005/MAC/TJS
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)371-2600
TELEFAX: (202)371-2540
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 235 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: Melanocarpus albomyces
STRAIN: ALKO4237
FEATURE:
NAME/KEY: Protein
LOCATION: 1..235
OTHER INFORMATION: /label= 20K-cellulase
US-08-841-636A-31

Query Match 34.2%; Score 690.5; DB 1; Length 235;
Best Local Similarity 56.6%; Pred. No. 1.3e-39;
Matches 120; Conservative 34; Mismatches 49; Indels 9; Gaps 4;

QY 155 GGASGNGVTRRYDCCAGSWSGKANVSSPYKSCNKGDTALSDSNVQGCNGNSYK 214
DB 18 GALAANGSTRRYDCCAGSWSGKANVSSPYKSCNKGDTALSDSNVQGCNGNSYK 76
QY 215 NDNQPAVNDNLAYGFAAAAISSGGRSWMCCSFELTFTSTVAGKMYIQTNTGDLG 274
DB 77 ADHSPWAINDLNLSYGFAAAAISSGGRSWMCCSFELTFTSTVAGKMYIQTNTGDLG 136
QY 275 SNTGAHFDLQMPGGGIVGNGSKOMGA-PNDGWSRYSASDSSLPALQAGCKW 333
DB 137 SN--HFDLNPQGGVGLPDGCTPQGGP---GARYGISRQECDSFPELKGCGW 189
QY 334 RFWFQADNPSTMYKEVTCPEKITATGCSR 365
DB 190 RFWFQADNPSTMYKEVTCPEKITATGCSR 221

RESULT 15
US-09-735-787-4
Sequence 4, Application US/09735787
Patent No. US20010036910A1
GENERAL INFORMATION:
APPLICANT: Raasmussen, Grethe
APPLICANT: Mikelsen, Jan Moller
APPLICANT: Schuelsen, Martin
APPLICANT: Paekar, Shankant A.
TITLE OF INVENTION: A Cellulase Preparation Comprising an
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. US20010036910A1 No. US20010036910A1disk of No. US2001003691
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/735,787
FILING DATE: 13-Dec-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/189,028
FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:
NAME: Tamburris, Elias

NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33

REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 34

REFERENCE/DOCKET NUMBER: 3469.214-US
CONSTITUTION INFORMATION.

TELECOMMUNICATION INFORMATION:
WIRE PHONE 313-867-0133

TELEPHONE: 212-867-0123

TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 376 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-09-735-787-4

Query Match	Score	DB	Length
33.8%	683.5	10	376

Best Local Similarity 57.1%; Pred. No. 6.2e-39;
Matches 120; Conservative 34; Mismatches 49; Indels 7; Gaps 4.

```

Oy      157 ASGNGVTRRYMDCCKASCSWPGKANTSSPVKSCNKGDTALSDSNVSGCGNGGNS-YMCN 215
      |||:::||||||| ||| |||::: |||::: ||| ||| |||
Db      18 ASGSGHSTRYMDCKCKSCSGCAAVNAPALTCRND-NPISNTNAVNGCGGGSAVACT 76

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016 DVODWVINDUR AVCEAAAATGCGCEPBWCSCFEI TETSTSVAGKMYTOVNTTGDIQS 27

Oy 216 DNCPMAVNDNLAVGFAPAAASGGSGESRMCSCCELTFTSTVAGKKWIVQNTGTGDLGS 275
:
Db 77 NYSMAVNDELAVGFAPATKISGSESSMCCACALYFTGPVKGKMIVOSTINTGTGLGD 136

[illegible]

QY 276 STGAHFLDMPGGVGIFNGCSKQWGPNDGWSRGVSISSASDCSSLPALAQCKMRF 335
 : ||||| ||||| :: : : : : : : : : : : : : : : :
Db 137 N---HFEDLMPGGVGIFDGCGSEFGKALG--GAQYGSISSNSECDSPPELLRDGCNRRF 191

[illegible]

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QY      336 NMFKNADNPSMTYKEVTCPKETIAKTGCSR 365
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Db      192 DMFENADNPDFTEEQVQCPKALLDISGCKR 221
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DD 174 DRI ENCLAVE DE LA GUERRA DE LOS SEÑALES

Search completed: June 18, 2003, 17:44:42
Job time : 80.5143 secs

Job time : 80.5143 secs